

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022519\
 Data File : VX007699.D
 Acq On : 26 Feb 2019 06:54
 Operator : JC/SP
 Sample : K1603-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 26 11:25:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	342136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	582864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	545294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	207739	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
35) Dibromofluoromethane	5.51	113	192624	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
50) Toluene-d8	8.71	98	699176	46.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.13	95	247254	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	

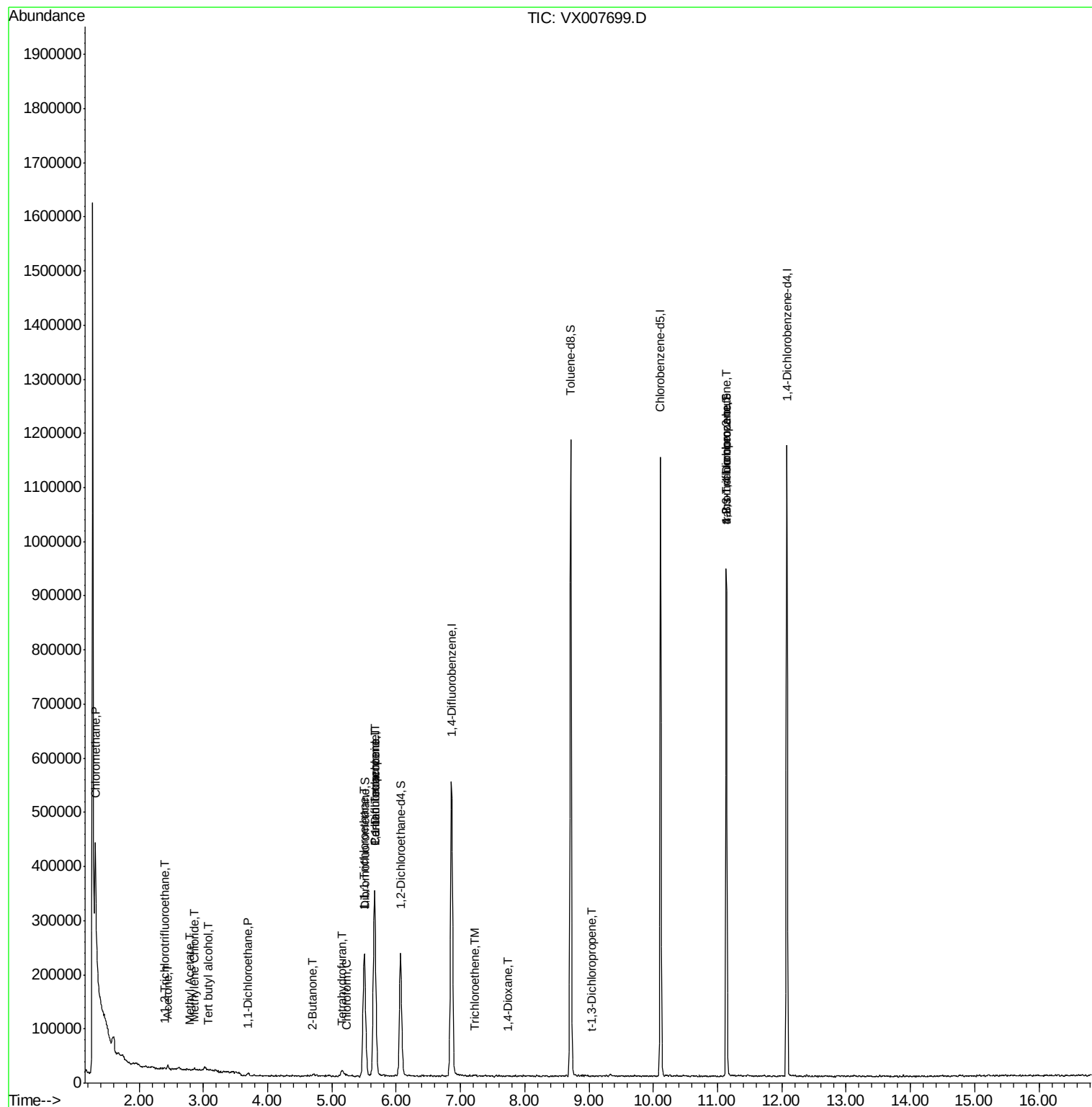
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	14045	4.021	ug/l #	44
5) Bromomethane	1.65	94	485	Below Cal	#	37
9) 1,1,2-Trichlorotrifluoroet	2.40	101	809	0.244	ug/l #	61
11) Tert butyl alcohol	3.07	59	674	0.838	ug/l #	56
16) Acetone	2.45	43	7421	3.938	ug/l	90
18) Methyl Acetate	2.78	43	1179	0.287	ug/l #	76
20) Methylene Chloride	2.87	84	798	0.229	ug/l #	52
24) 1,1-Dichloroethane	3.70	63	5733	0.916	ug/l #	90
25) 2-Butanone	4.70	43	6211	2.164	ug/l	93
29) Tetrahydrofuran	5.16	42	9651	5.100	ug/l #	90
30) Chloroform	5.23	83	2264	0.338	ug/l #	69
32) 1,1,1-Trichloroethane	5.49	97	3025	0.545	ug/l #	49
36) 1,1-Dichloropropene	5.66	75	24852	4.743	ug/l #	51
38) Carbon Tetrachloride	5.67	117	32495	6.173	ug/l #	17
44) Trichloroethene	7.23	130	975	0.219	ug/l	61
49) 1,4-Dioxane	7.74	88	75	0.739	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	355	2.856	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	120782	22.747	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	120782	60.297	ug/l #	9

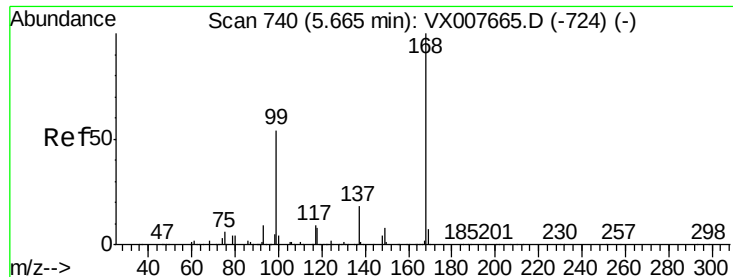
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

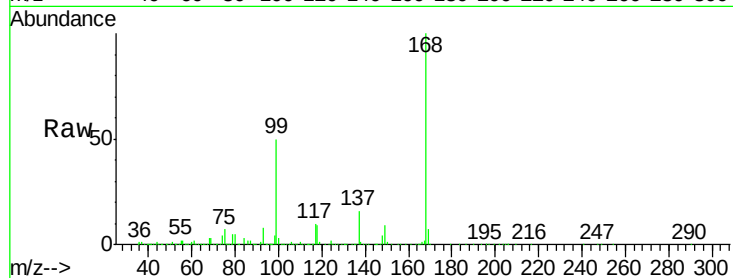
ClientSampleId :

Tgt Ion:168 Resp: 342136

Ion Ratio Lower Upper

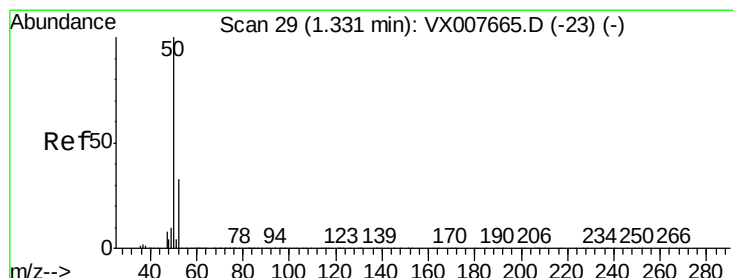
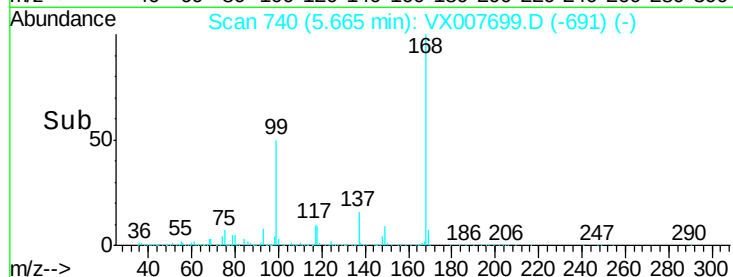
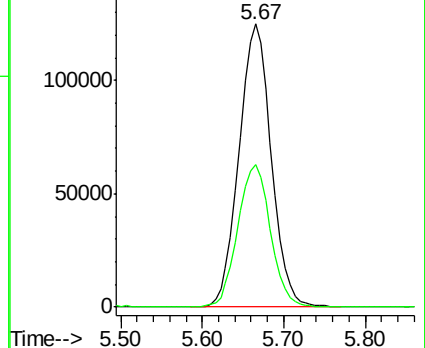
168 100

99 50.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 4.021 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007699.D

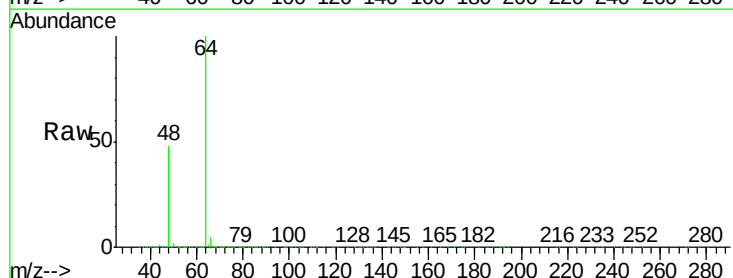
Acq: 26 Feb 2019 06:54

Tgt Ion: 50 Resp: 14045

Ion Ratio Lower Upper

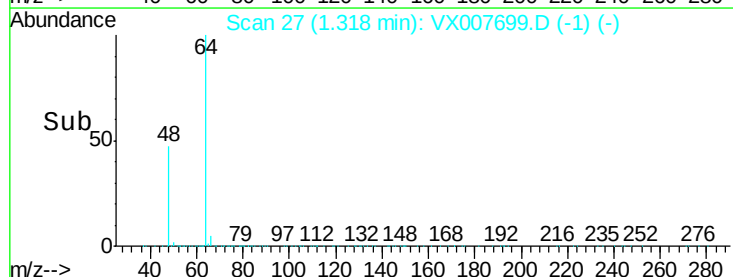
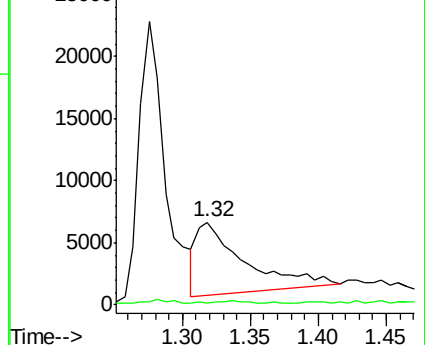
50 100

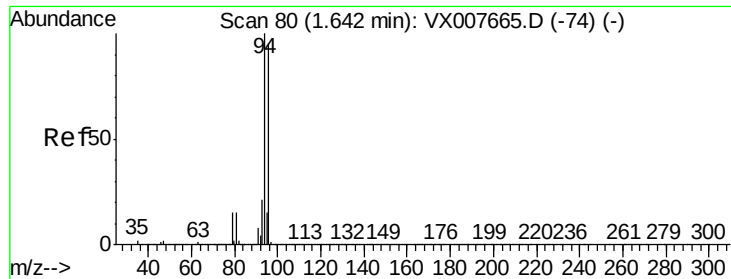
52 1.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

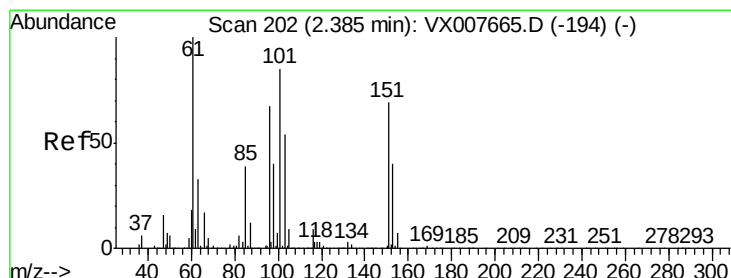
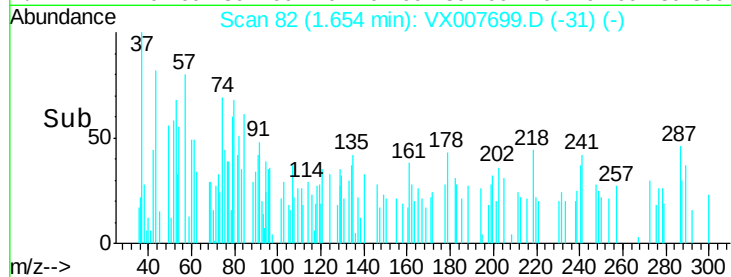
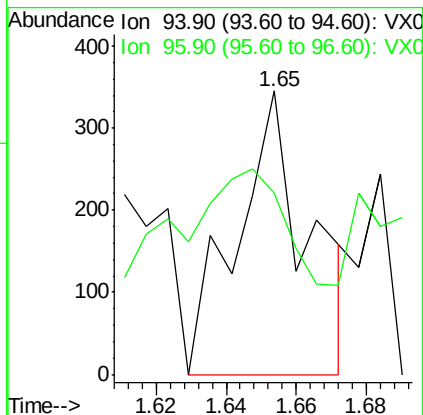
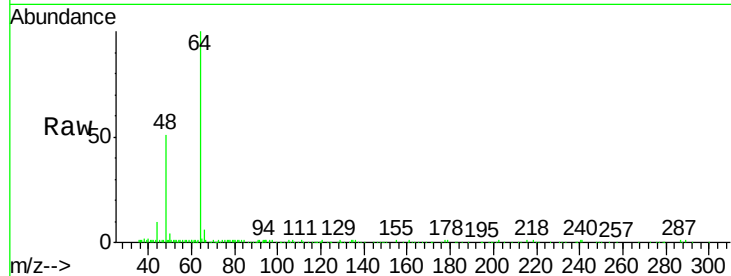
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

94 100

96 32.2 73.9 110.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.244 ug/l

RT: 2.40 min Scan# 204

Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

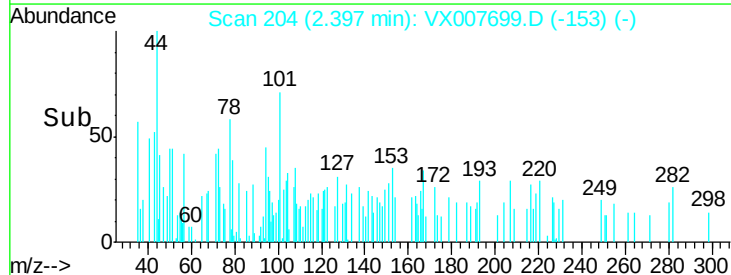
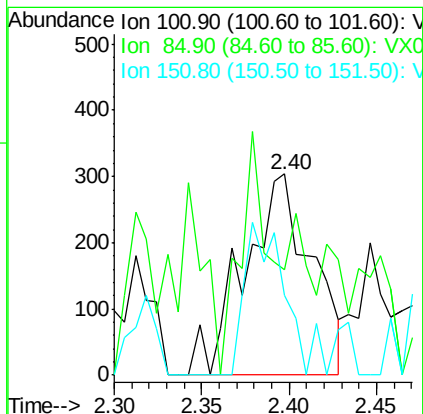
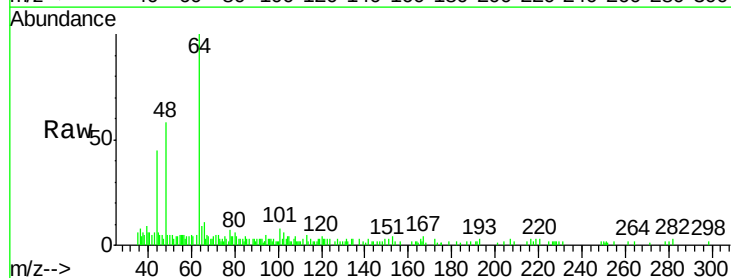
Tgt Ion: 101 Resp: 809

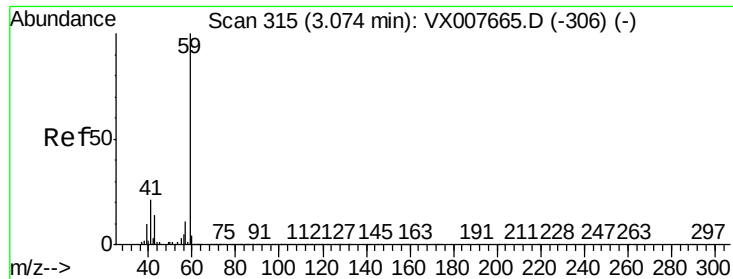
Ion Ratio Lower Upper

101 100

85 55.3 34.1 51.1#

151 42.6 69.9 104.9#

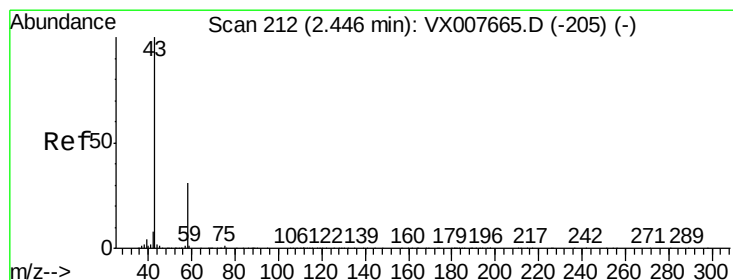
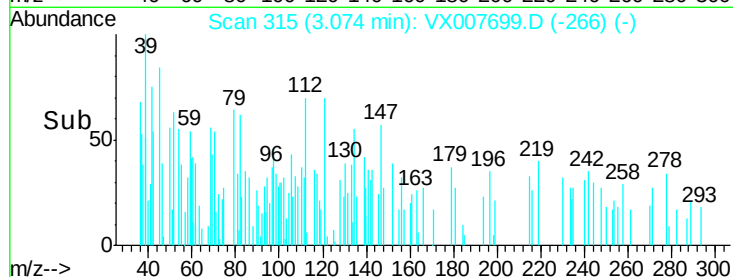
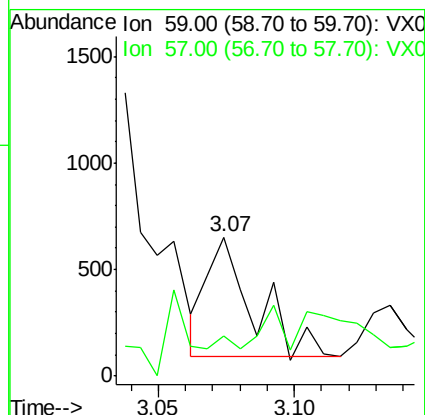
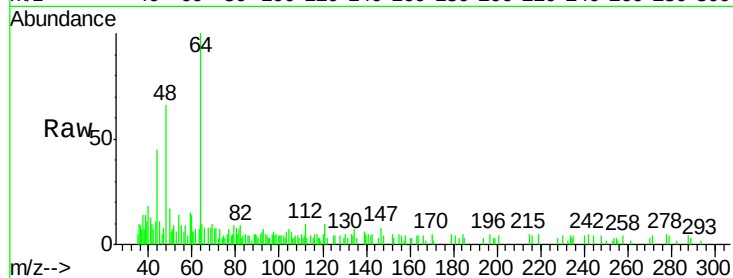




#11
Tert butyl alcohol
Concen: 0.838 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007699.D
Acq: 26 Feb 2019 06:54

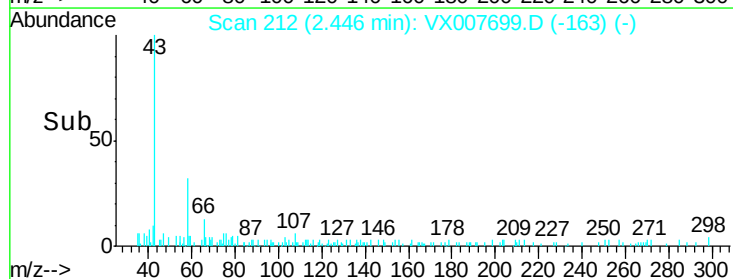
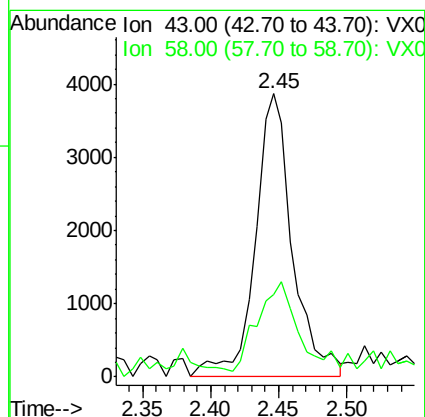
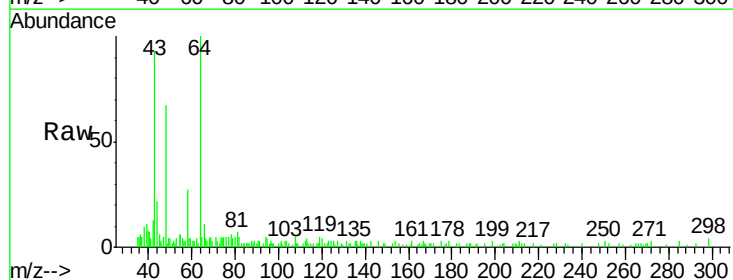
Instrument :
MSVOA_X
ClientSampled :

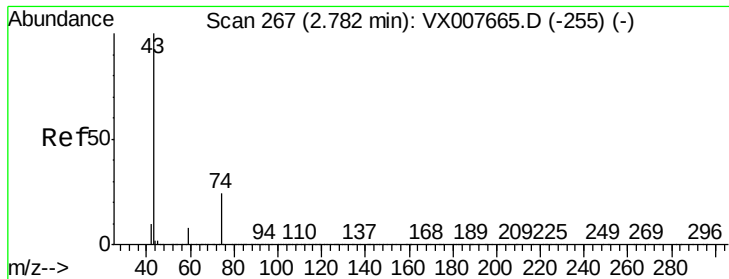
Tgt Ion: 59 Resp: 674
Ion Ratio Lower Upper
59 100
57 26.6 8.1 12.1#



#16
Acetone
Concen: 3.938 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007699.D
Acq: 26 Feb 2019 06:54

Tgt Ion: 43 Resp: 7421
Ion Ratio Lower Upper
43 100
58 25.7 24.9 37.3





#18

Methyl Acetate

Concen: 0.287 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

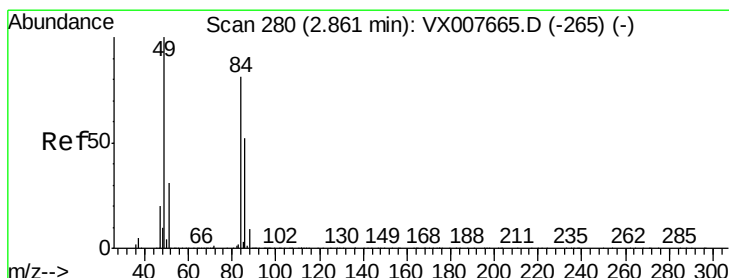
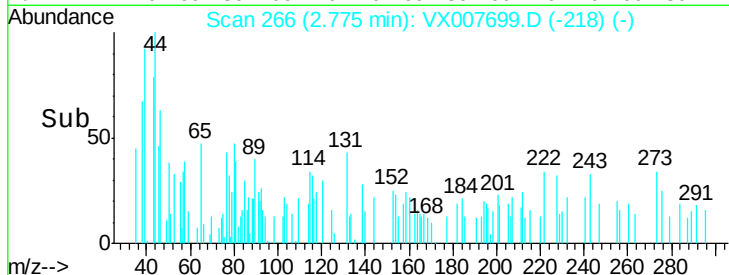
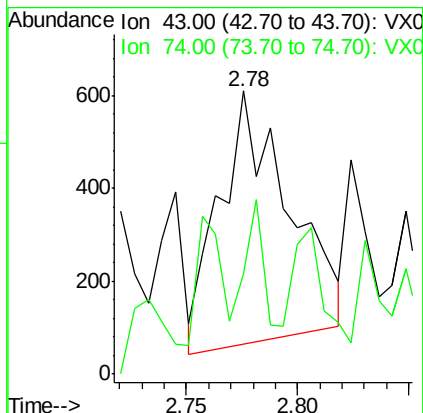
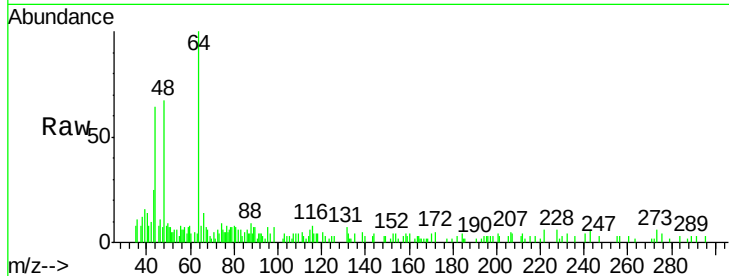
ClientSampleId :

Tgt Ion: 43 Resp: 1179

Ion Ratio Lower Upper

43 100

74 12.3 19.4 29.2#



#20

Methylene Chloride

Concen: 0.229 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Tgt Ion: 84 Resp: 798

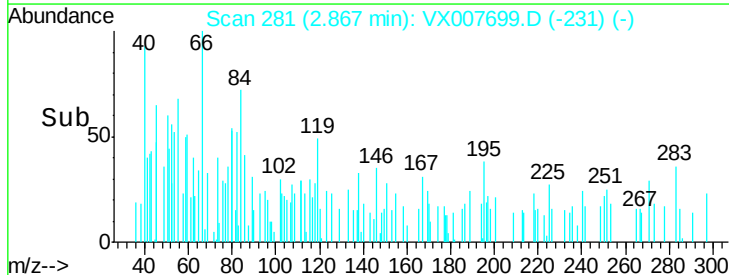
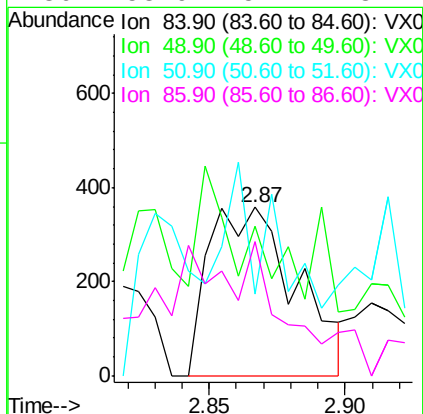
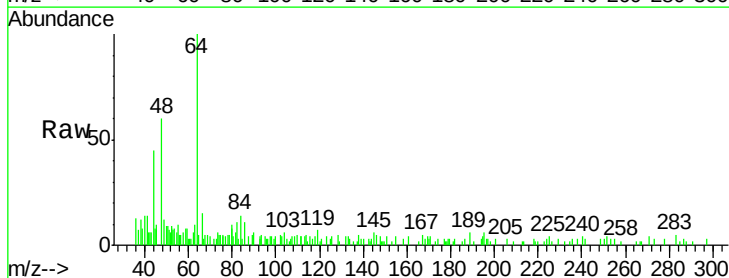
Ion Ratio Lower Upper

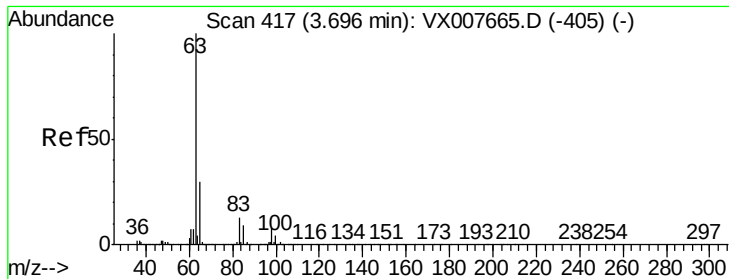
84 100

49 50.8 94.8 142.2#

51 0.0 29.8 44.8#

86 53.9 54.1 81.1#





#24

1,1-Dichloroethane

Concen: 0.916 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007699.D

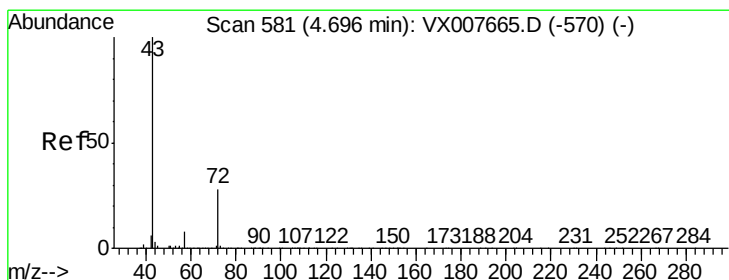
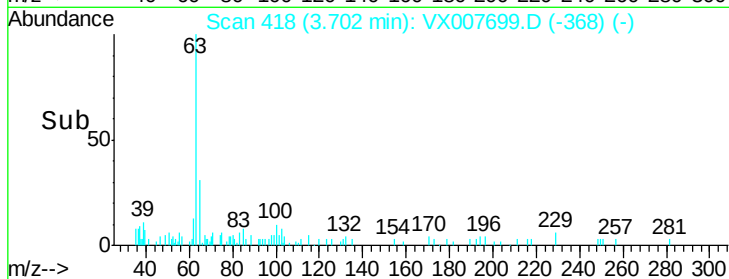
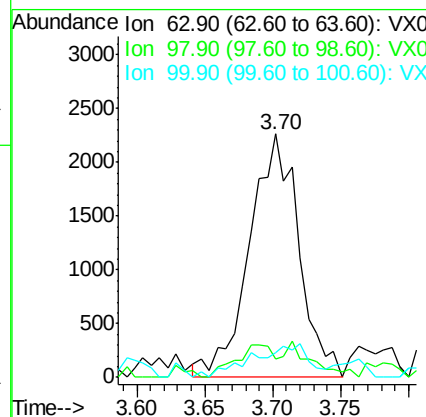
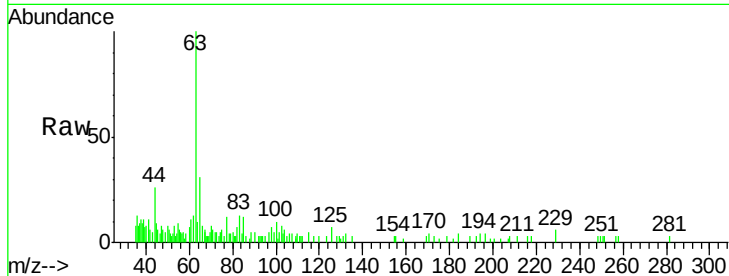
Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	63	Resp:	5733
Ion	Ratio	Lower	Upper
63	100		
98	5.1	3.6	10.8
100	10.1	2.5	7.4#



#25

2-Butanone

Concen: 2.164 ug/l

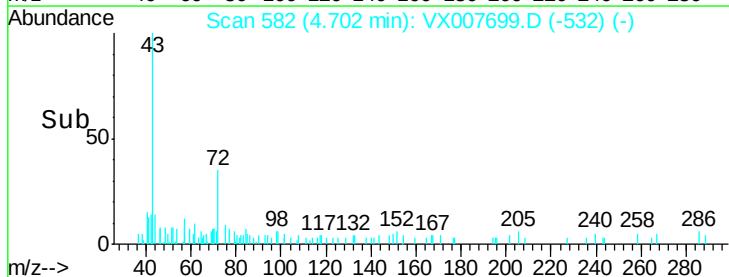
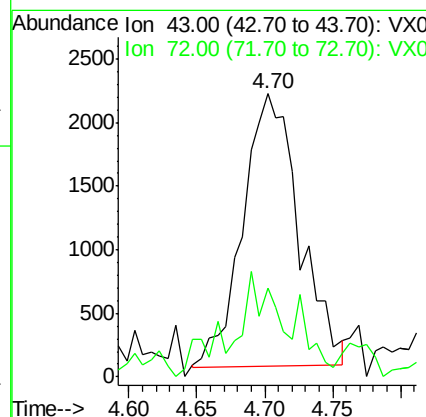
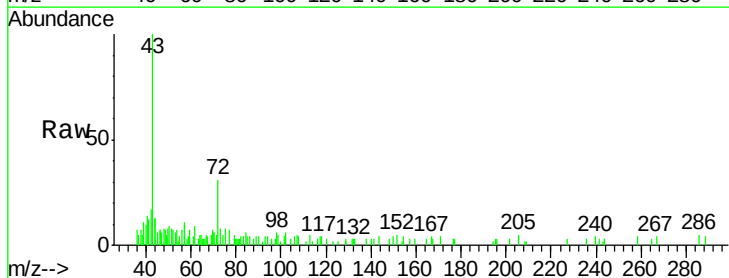
RT: 4.70 min Scan# 582

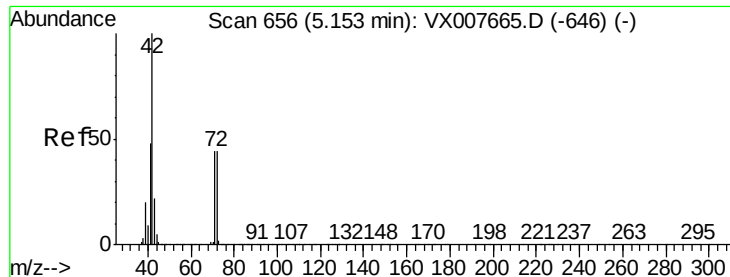
Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Tgt Ion:	43	Resp:	6211
Ion	Ratio	Lower	Upper
43	100		
72	24.3	22.2	33.2





#29

Tetrahydrofuran

Concen: 5.100 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007699.D

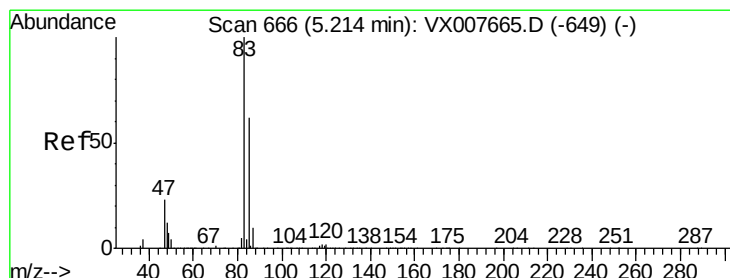
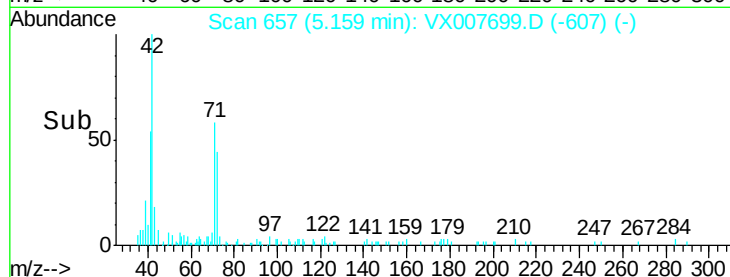
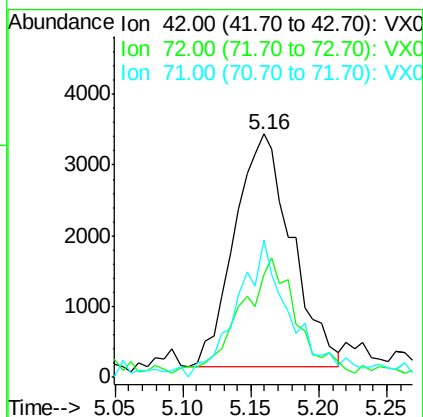
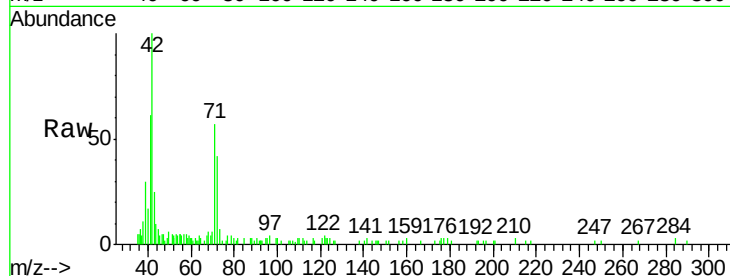
Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	9651
Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.6	56.4
71	55.4	34.6	51.8#



#30

Chloroform

Concen: 0.338 ug/l

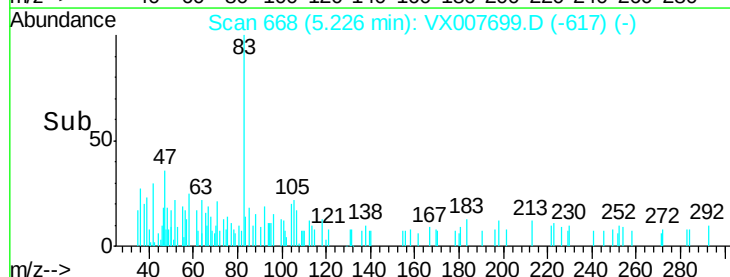
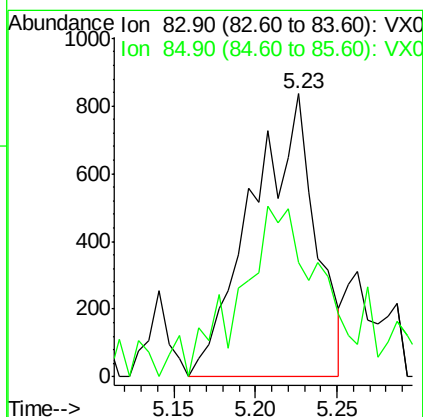
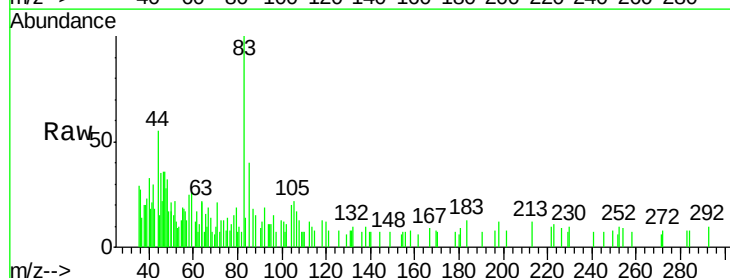
RT: 5.23 min Scan# 668

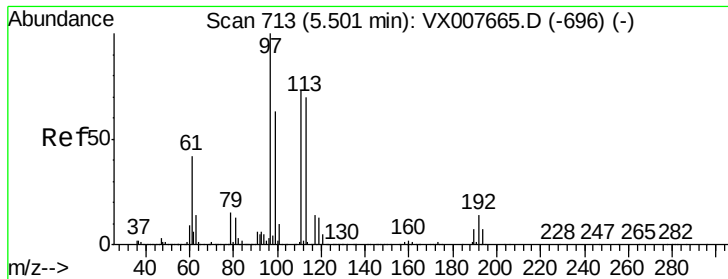
Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Tgt Ion:	83	Resp:	2264
Ion	Ratio	Lower	Upper
83	100		
85	40.4	51.6	77.4#





#32

1,1,1-Trichloroethane

Concen: 0.545 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007699.D

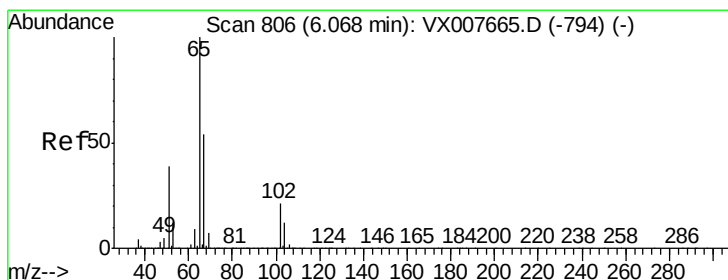
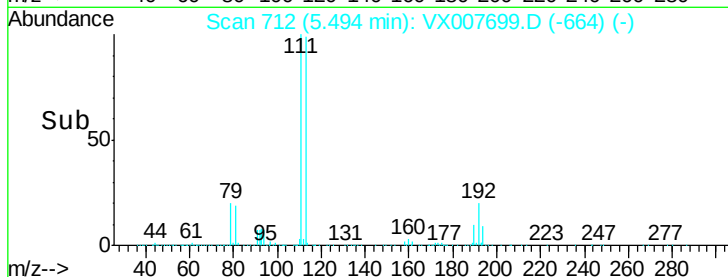
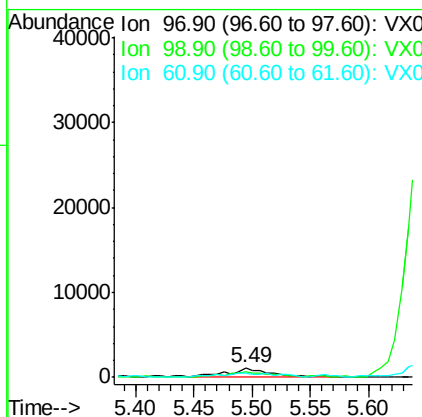
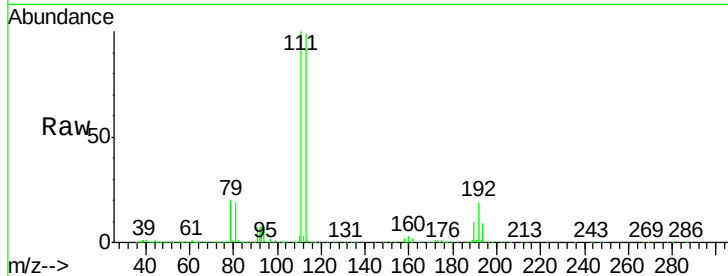
Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	97	Resp:	3025
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	41.9	32.7	49.1



#33

1,2-Dichloroethane-d4

Concen: 49.018 ug/l

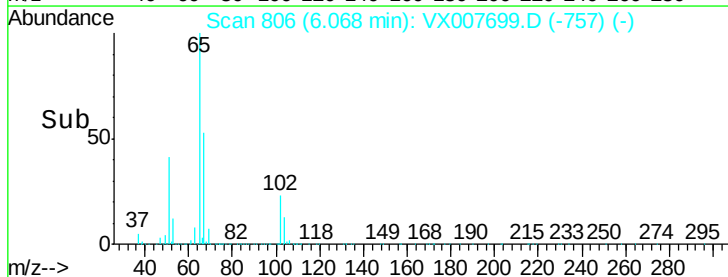
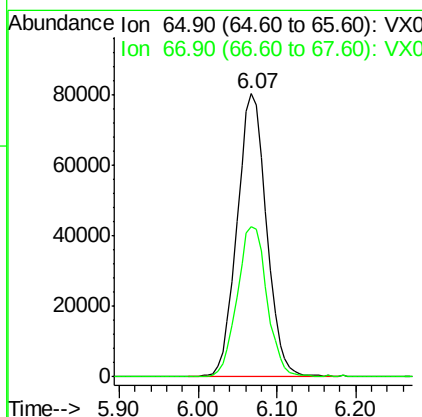
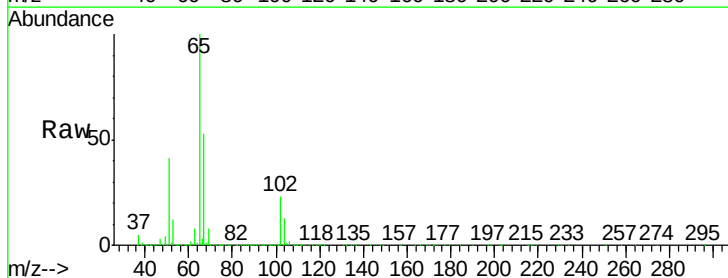
RT: 6.07 min Scan# 806

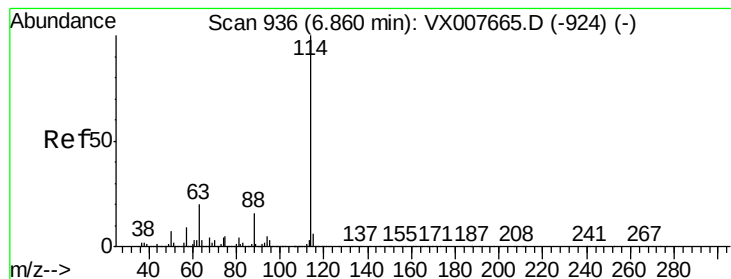
Delta R.T. -0.00 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Tgt Ion:	65	Resp:	207739
Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

ClientSampleId :

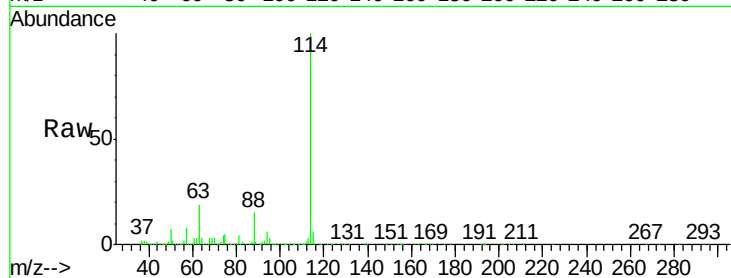
Tgt Ion:114 Resp: 582864

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

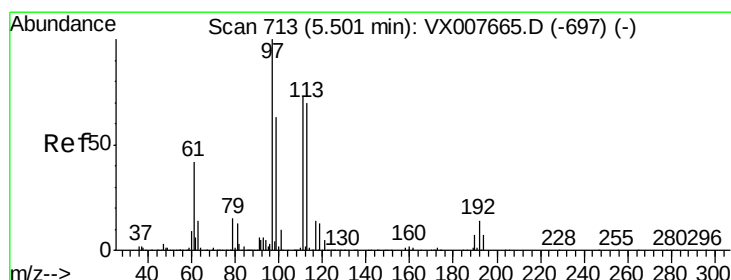
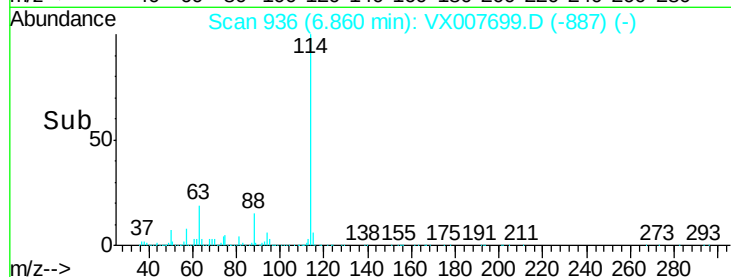
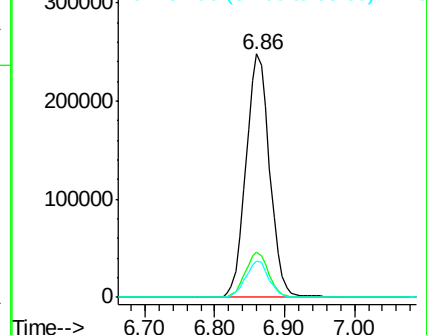
88 14.9 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.438 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

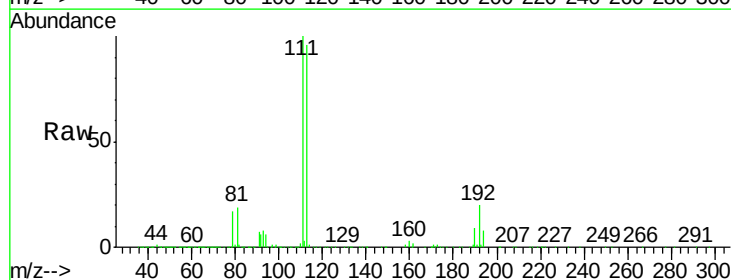
Tgt Ion:113 Resp: 192624

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

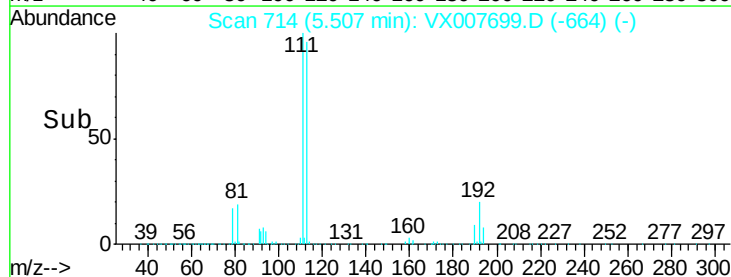
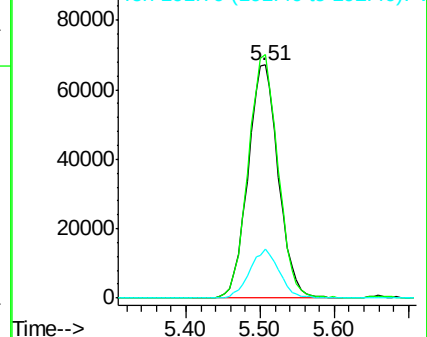
192 20.5 18.5 27.7

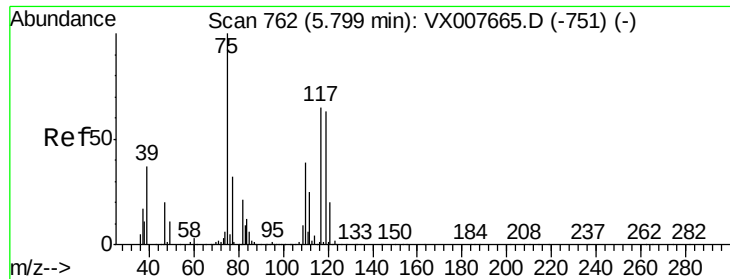


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

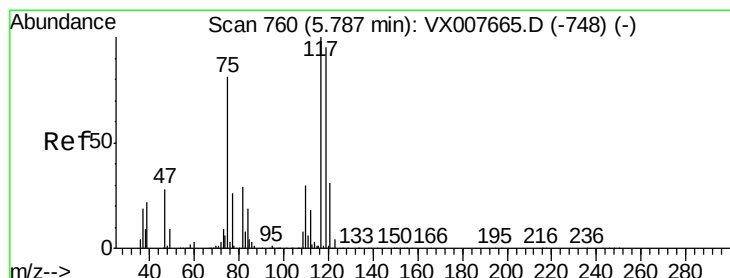
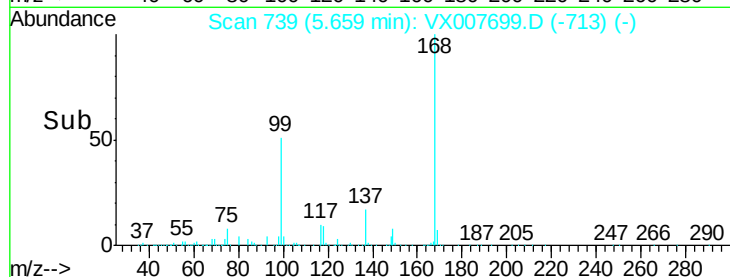
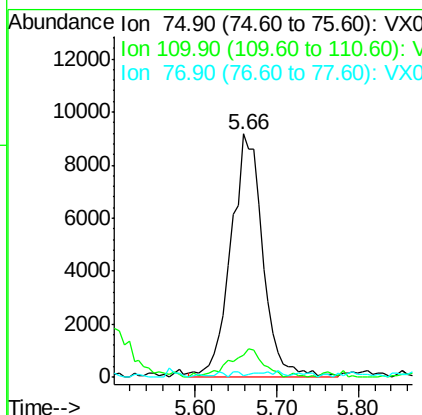
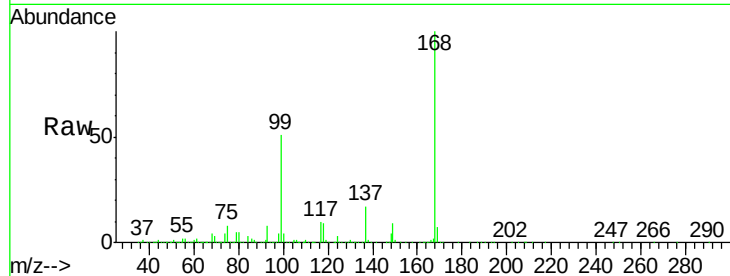




#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007699.D
 Acq: 26 Feb 2019 06:54

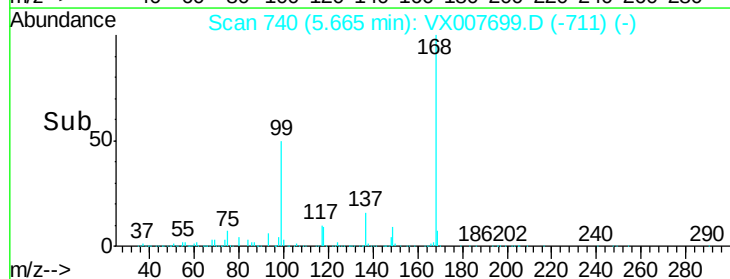
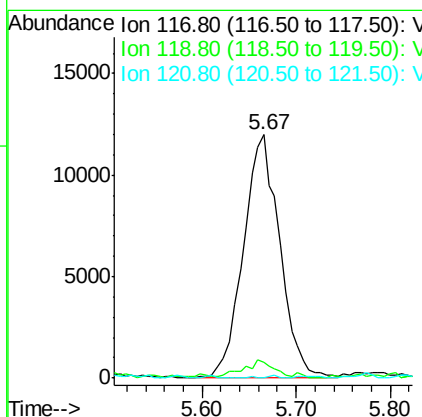
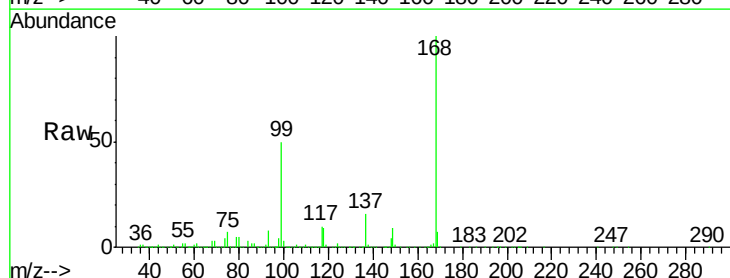
Instrument :
 MSVOA_X
 ClientSampleId :

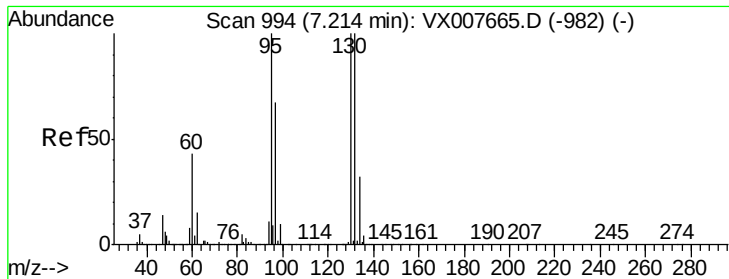
Tgt Ion: 75 Resp: 24852
 Ion Ratio Lower Upper
 75 100
 110 12.3 20.0 59.9#
 77 0.7 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.173 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007699.D
 Acq: 26 Feb 2019 06:54

Tgt Ion: 117 Resp: 32495
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.3 112.9#
 121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 0.219 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

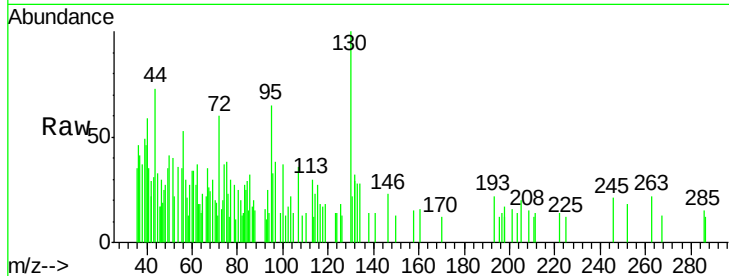
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 130 Resp: 975

Ion Ratio Lower Upper

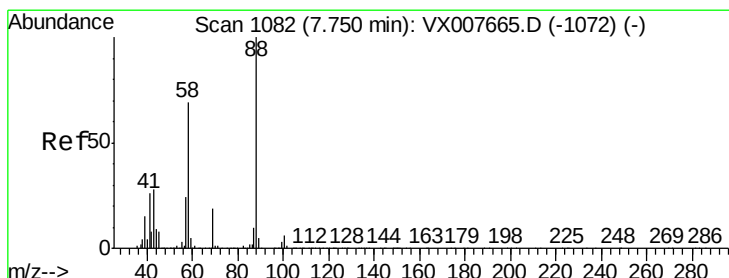
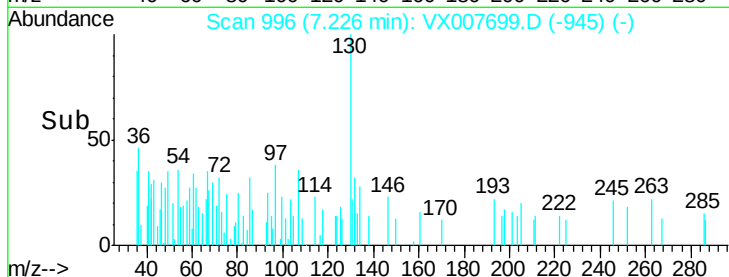
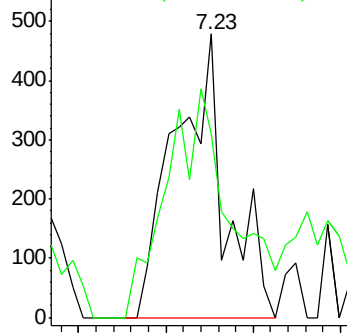
130 100

95 53.3 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.739 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

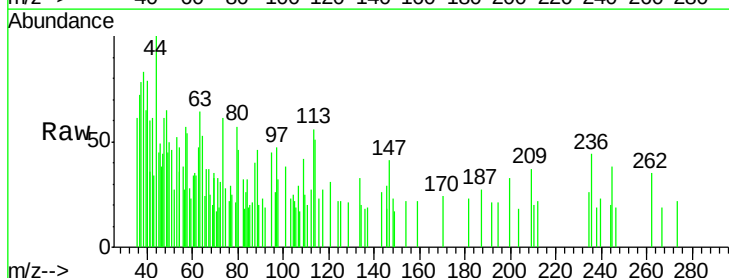
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 472.0 24.2 36.4#

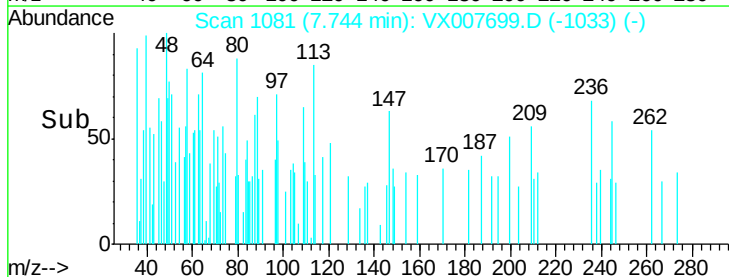
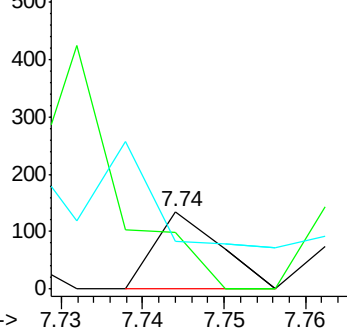
58 0.0 53.0 79.4#

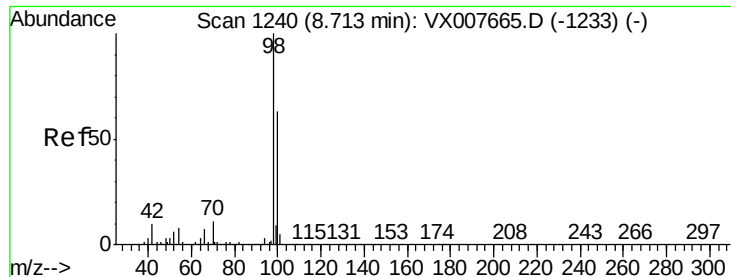


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

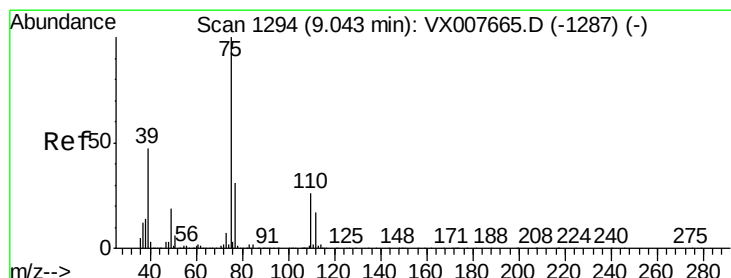
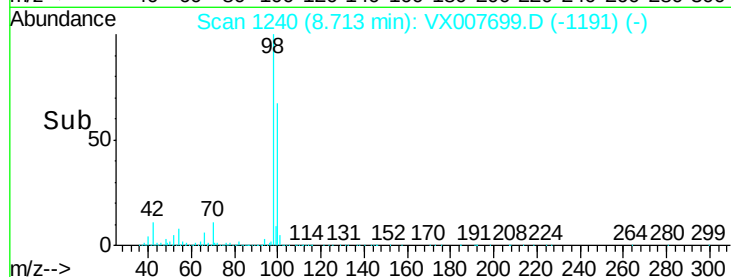
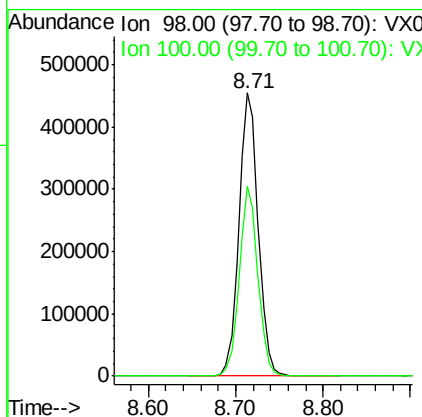
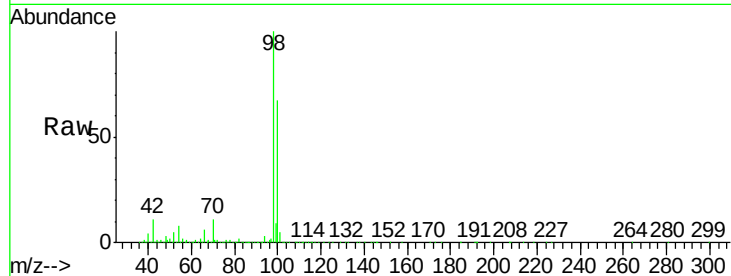




#50
Toluene-d8
Concen: 46.873 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007699.D
Acq: 26 Feb 2019 06:54

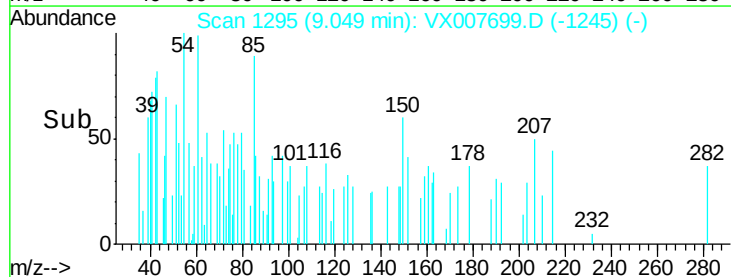
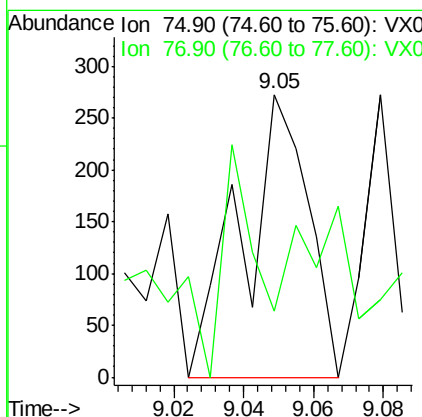
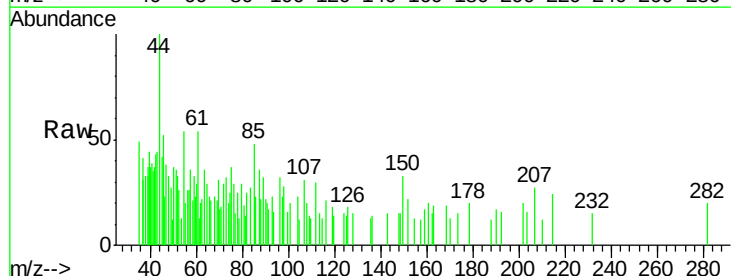
Instrument :
MSVOA_X
ClientSampled :

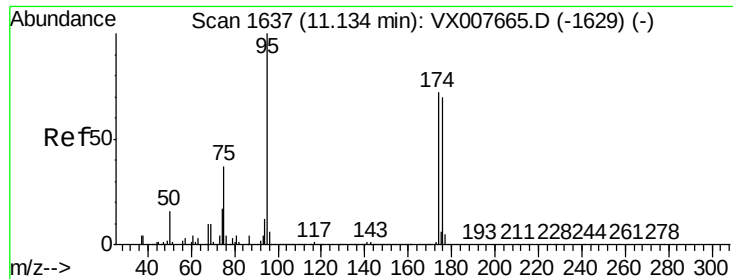
Tgt Ion: 98 Resp: 699176
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#53
t-1,3-Dichloropropene
Concen: 2.856 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX007699.D
Acq: 26 Feb 2019 06:54

Tgt Ion: 75 Resp: 355
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 45.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

Instrument :

MSVOA_X

ClientSampleId :

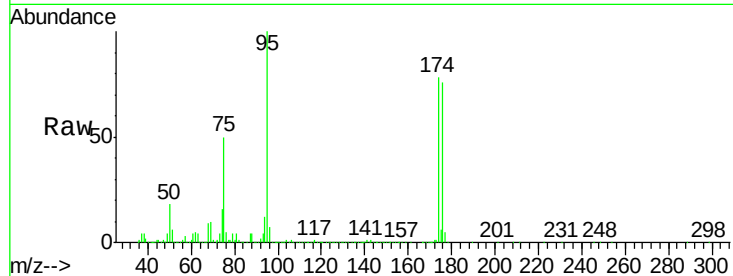
Tgt Ion: 95 Resp: 247254

Ion Ratio Lower Upper

95 100

174 85.2 0.0 189.2

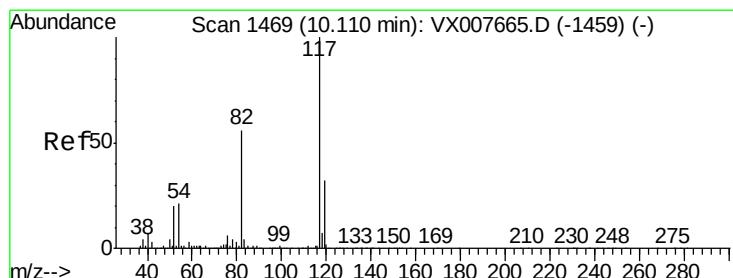
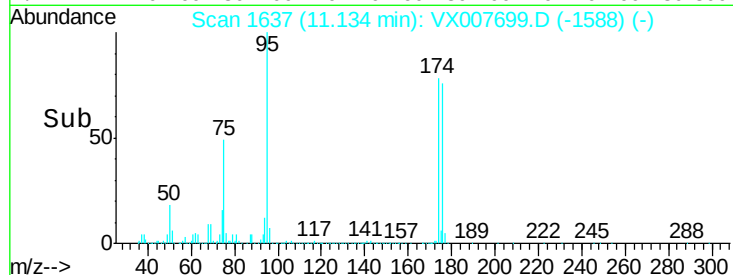
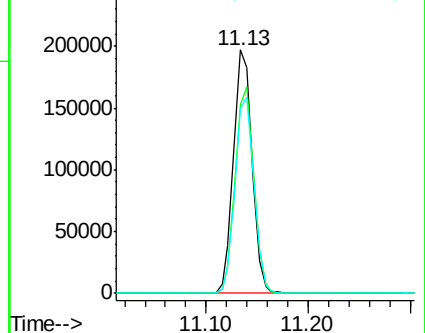
176 81.6 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007699.D

Acq: 26 Feb 2019 06:54

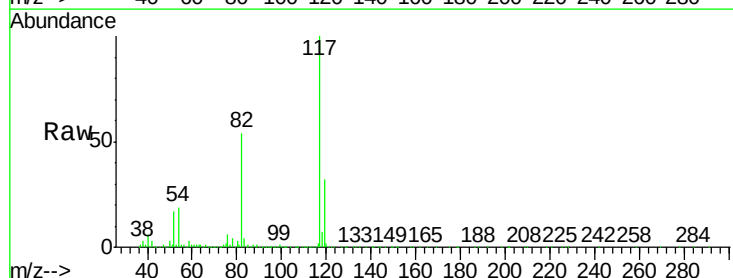
Tgt Ion: 117 Resp: 545294

Ion Ratio Lower Upper

117 100

82 54.4 42.1 63.1

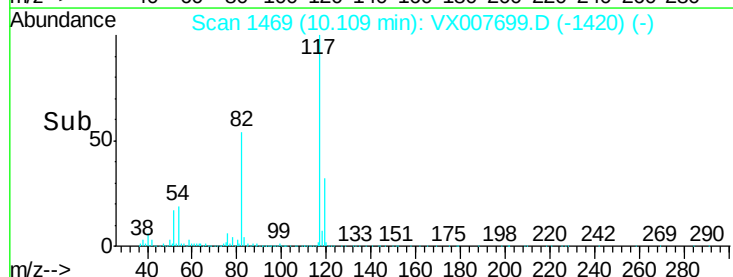
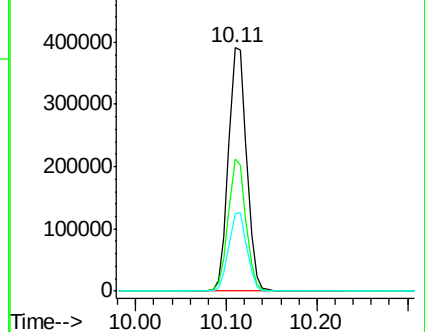
119 31.8 26.5 39.7

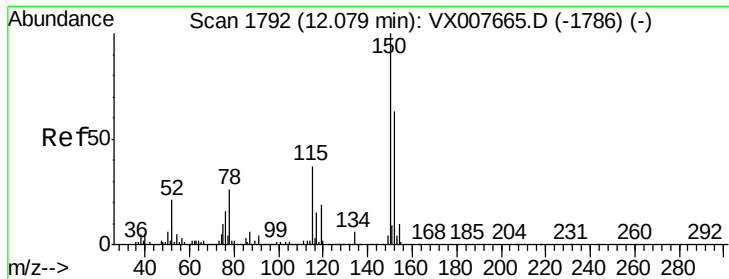


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

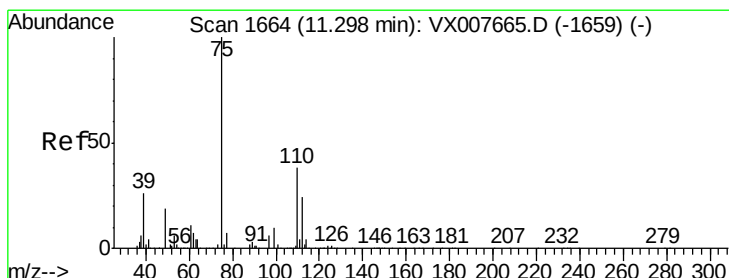
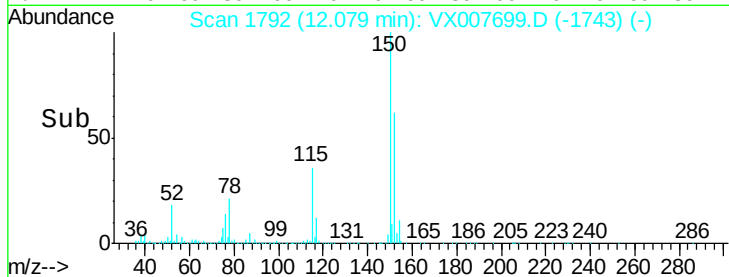
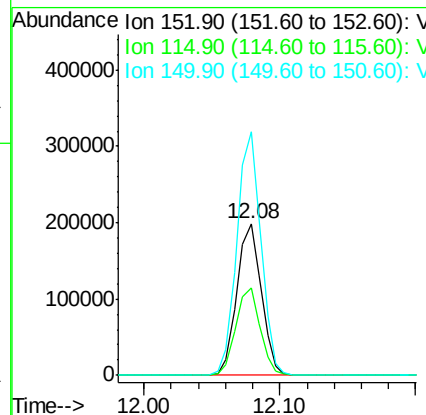
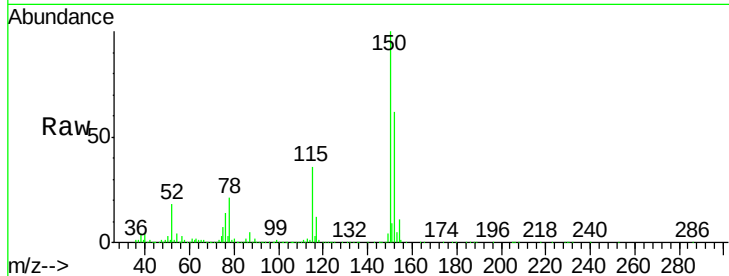




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007699.D
 Acq: 26 Feb 2019 06:54

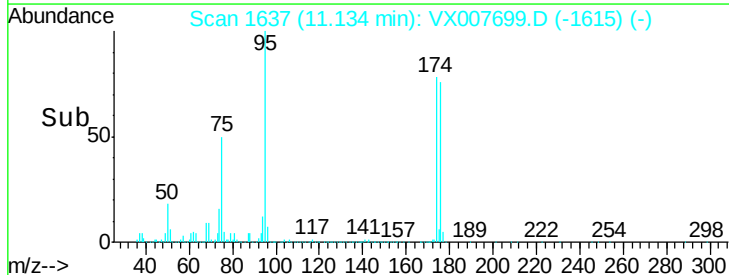
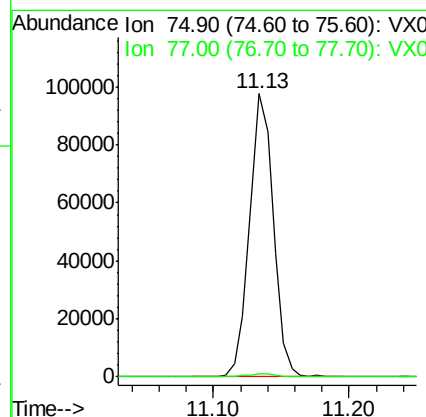
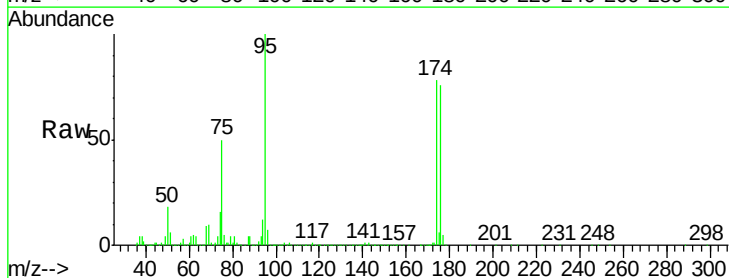
Instrument :
 MSVOA_X
 ClientSampleId :

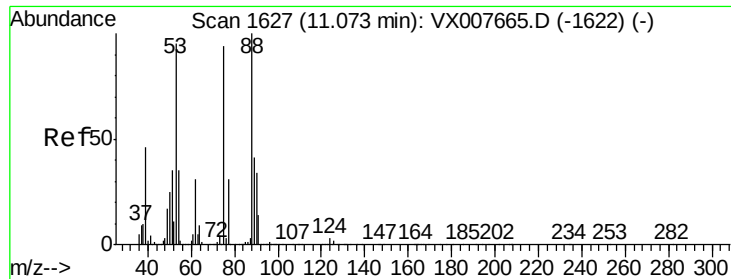
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	38.0	114.0
150	158.3	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 22.747 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007699.D
 Acq: 26 Feb 2019 06:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	23.0	69.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.297 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007699.D
 Acq: 26 Feb 2019 06:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 120782
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.0 41.4 62.0#

